

GenCore version 5.1.6
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OM protein - protein search, using sw model
Run on: February 16, 2005, 16:27:09 ; Search time 11.0505 Seconds
(without alignments)
1479.409 Million cell updates/sec

Title: US-10-003-356-2
Perfect score: 1138
Sequence: 1 MFERRKEQDEGPGIHEFLAF.....RVIASDKIQSKAVVKRIQHP 219

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|------------------------------------|
| 1 | 357 | 31.4 | 1059 | 3 | US-09-134-513-2 Sequence 2, Appli |
| 2 | 353 | 31.0 | 975 | 4 | US-09-695-481-4 Sequence 4, Appli |
| 3 | 353 | 31.0 | 1027 | 3 | US-09-162-021B-2 Sequence 2, Appli |
| 4 | 353 | 31.0 | 1027 | 4 | US-10-268-051-8 Sequence 8, Appli |
| 5 | 353 | 31.0 | 1078 | 1 | US-08-485-588-7 Sequence 7, Appli |
| 6 | 353 | 31.0 | 1078 | 1 | US-08-484-565-7 Sequence 7, Appli |
| 7 | 353 | 31.0 | 1078 | 2 | US-08-480-751-7 Sequence 7, Appli |
| 8 | 353 | 31.0 | 1078 | 2 | US-08-943-986-7 Sequence 7, Appli |
| 9 | 353 | 31.0 | 1078 | 3 | US-08-353-784-7 Sequence 7, Appli |
| 10 | 353 | 31.0 | 1078 | 3 | US-08-484-719B-7 Sequence 7, Appli |
| 11 | 353 | 31.0 | 1078 | 3 | US-08-484-159-7 Sequence 7, Appli |
| 12 | 353 | 31.0 | 1088 | 1 | US-08-485-588-6 Sequence 6, Appli |
| 13 | 353 | 31.0 | 1088 | 1 | US-08-484-565-6 Sequence 6, Appli |
| 14 | 353 | 31.0 | 1088 | 2 | US-08-480-751-6 Sequence 6, Appli |
| 15 | 353 | 31.0 | 1088 | 2 | US-08-943-986-6 Sequence 6, Appli |
| 16 | 353 | 31.0 | 1088 | 3 | US-08-353-784-6 Sequence 6, Appli |
| 17 | 353 | 31.0 | 1088 | 3 | US-08-484-719B-6 Sequence 6, Appli |
| 18 | 353 | 31.0 | 1088 | 3 | US-08-484-159-6 Sequence 6, Appli |
| 19 | 353 | 31.0 | 1219 | 2 | US-08-687-289A-6 Sequence 6, Appli |
| 20 | 353 | 31.0 | 1219 | 4 | US-09-435-897-6 Sequence 6, Appli |
| 21 | 351 | 30.8 | 1079 | 1 | US-08-485-588-8 Sequence 8, Appli |
| 22 | 351 | 30.8 | 1079 | 1 | US-08-484-565-8 Sequence 8, Appli |
| 23 | 351 | 30.8 | 1079 | 2 | US-08-480-751-8 Sequence 8, Appli |
| 24 | 351 | 30.8 | 1079 | 2 | US-08-943-986-8 Sequence 8, Appli |
| 25 | 351 | 30.8 | 1079 | 3 | US-08-353-784-8 Sequence 8, Appli |
| 26 | 351 | 30.8 | 1079 | 3 | US-08-484-719B-8 Sequence 8, Appli |
| 27 | 351 | 30.8 | 1079 | 3 | US-08-484-159-8 Sequence 8, Appli |

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| 28 | 349 | 30.7 | 1085 | 1 | US-08-485-588-5 | Sequence 5, Appli |
| 29 | 349 | 30.7 | 1085 | 1 | US-08-484-565-5 | Sequence 5, Appli |
| 30 | 349 | 30.7 | 1085 | 2 | US-08-480-751-5 | Sequence 5, Appli |
| 31 | 349 | 30.7 | 1085 | 2 | US-08-943-986-5 | Sequence 5, Appli |
| 32 | 349 | 30.7 | 1085 | 3 | US-08-353-784-5 | Sequence 5, Appli |
| 33 | 349 | 30.7 | 1085 | 3 | US-08-484-719B-5 | Sequence 5, Appli |
| 34 | 349 | 30.7 | 1085 | 3 | US-08-484-159-5 | Sequence 5, Appli |
| 35 | 264.5 | 23.2 | 835 | 4 | US-09-619-353-7 | Sequence 7, Appli |
| 36 | 257.5 | 22.6 | 851 | 4 | US-09-619-353-12 | Sequence 12, Appli |
| 37 | 254 | 22.3 | 856 | 4 | US-09-619-353-8 | Sequence 8, Appli |
| 38 | 240 | 21.1 | 863 | 4 | US-09-619-353-14 | Sequence 14, Appli |
| 39 | 231 | 20.3 | 877 | 1 | US-08-072-574-12 | Sequence 12, Appli |
| 40 | 231 | 20.3 | 877 | 1 | US-08-486-270-12 | Sequence 12, Appli |
| 41 | 231 | 20.3 | 877 | 3 | US-08-367-264-12 | Sequence 12, Appli |
| 42 | 231 | 20.3 | 877 | 4 | US-09-153-757-12 | Sequence 12, Appli |
| 43 | 231 | 20.3 | 877 | 4 | US-09-459-715-12 | Sequence 12, Appli |
| 44 | 231 | 20.3 | 1180 | 1 | US-08-072-574-8 | Sequence 8, Appli |
| 45 | 231 | 20.3 | 1180 | 1 | US-08-486-270-8 | Sequence 8, Appli |

ALIGNMENTS

RESULT 1
US-09-134-513-2
; Sequence 2, Application US/09134513
; Patent No. 6210964
; GENERAL INFORMATION:
; APPLICANT: Brown, Edward M.
; APPLICANT: Diaz, Ruben
; APPLICANT: Bai, Mei
; APPLICANT: Quinn, Stephen J.
; TITLE OF INVENTION: The Avian Extracellular Calcium-Sensing
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Vinson & Elkins L.L.P.
; STREET: 1455 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.
; ZIP: 20004-1008

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/134,513
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sanzo, Michael A.
; REGISTRATION NUMBER: 36,912
; REFERENCE/DOCKET NUMBER: BRI331/13003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)639-6585
; TELEFAX: (202)639-6604
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1059 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
US-09-134-513-2

Query Match 31.4%; Score 357; DB 3; Length 1059;
Best Local Similarity 37.6%; Pred.No. 4.8e-35;
Matches 79; Conservative 43; Mismatches 64; Indels 24; Gaps 5;
Qy 18 LAFLW--AELGSEAKEKEEERTCRLGLKCVDAAENHSLVIGLFPIDSRTPANESI-LE 74


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; REFERENCE/DOCKET NUMBER: 214/101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1078 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-159-7

Query Match          31.0%; Score 353; DB 3; Length 1078;
Best Local Similarity 37.1%; Pred. No. 1.6e-34;
Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

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Db 11 LALTWHTSAYGPDQRAQKGD-----IILGGLFPIHFGVAAKQDLKSR 54

QY 75 PASAKCEGFNFRFRWKAMIHMIKEINKRKDILPNITLGYQIFDTCFTTISKSV EAVLVF 134
Db 55 PESVECI RYNGFRWLQAMIFAIBEINSSPALLPNLTG YRIFDTCNTVSKALEATLSF 114

QY 135 LTQGE---ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRIILGLYLPQVGYTSTCVIL 189
Db 115 VAQNKIDSLNLD EFCNCSEHIPSTIAVVGATGSGVSTAVANLLGLFYPQVSYASSSRLL 174

QY 190 SDKYQPPSYLRVIASDKIQSKAVVKRIQHF 219
Db 175 SNKNQFKSFLRTIPNDEHQATAMADIIEYF 204

RESULT 12
US-08-485-588-6
; Sequence 6, Application US/08485588
; Patent No. 5688938
; GENERAL INFORMATION:
; APPLICANT: Edward M. Brown
; APPLICANT: Steven C. Hebert
; APPLICANT: Forrest H. Fuller
; APPLICANT: James E. Garrett, Jr.
; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE
; TITLE OF INVENTION: MOLECULES
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: First Interstate World Center
; STREET: Suite 4700
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FASTSEQ
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,588
; FILING DATE: 7 June, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below: 9
; PRIOR APPLICATION DATA: 08/353,784
; FILING DATE: 9 December, 1994
; APPLICATION NUMBER: PCT/US/94/12117
; FILING DATE: 21 October, 1994
; APPLICATION NUMBER: U.S. 08/292,827
; FILING DATE: 23 August, 1994

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; APPLICATION NUMBER: U.S. 08/141,248
; FILING DATE: 22 October, 1993
; APPLICATION NUMBER: U.S. 08/009,389
; FILING DATE: 23 February, 1993
; APPLICATION NUMBER: U.S. 08/017,127
; FILING DATE: 12 February, 1993
; APPLICATION NUMBER: U.S. 07/934,161
; FILING DATE: 21 August, 1992
; APPLICATION NUMBER: U.S. 07/834,044
; FILING DATE: 11 February, 1992
; APPLICATION NUMBER: U.S. 07/749,451
; FILING DATE: 23 August, 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Heber, Sheldon O.
; REGISTRATION NUMBER: 38,179
; REFERENCE/DOCKET NUMBER: 213/005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1088 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-485-588-6

Query Match          31.0%; Score 353; DB 1; Length 1088;
Best Local Similarity 37.1%; Pred. No. 1.6e-34;
Matches 78; Conservative 44; Mismatches 64; Indels 24; Gaps 5;

QY 18 LAFLW--AELGSEAKEEKEERTCRLLGKCVDAENHSLVIGGLFPIDSRTPANESI-LE 74
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QY 75 PASAKCEGFNFRFRWKAMIHMIKEINKRKDILPNITLGYQIFDTCFTTISKSV EAVLVF 134
Db 55 PESVECI RYNGFRWLQAMIFAIBEINSSPALLPNLTG YRIFDTCNTVSKALEATLSF 114

QY 135 LTQGE---ENRPNFRNSTGAFPA--GIVGAGGSFLSVPASRIILGLYLPQVGYTSTCVIL 189
Db 115 VAQNKIDSLNLD EFCNCSEHIPSTIAVVGATGSGVSTAVANLLGLFYPQVSYASSSRLL 174

QY 190 SDKYQPPSYLRVIASDKIQSKAVVKRIQHF 219
Db 175 SNKNQFKSFLRTIPNDEHQATAMADIIEYF 204

RESULT 13
US-08-484-565-6
; Sequence 6, Application US/08484565
; Patent No. 5763569
; GENERAL INFORMATION:
; APPLICANT: Edward M. Brown
; APPLICANT: Steven C. Hebert
; APPLICANT: James E. Garrett, Jr.
; TITLE OF INVENTION: CALCIUM RECEPTOR-ACTIVE
; TITLE OF INVENTION: MOLECULES
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: First Interstate World Center
; STREET: Suite 4700
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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